

09/509,391

ISOLATED AND RECOMBINANT ANTIMICROBIAL PEPTIDES  
THROMBOCIDIN-1 (TC-1) AND THROMBOCIDIN-2  
(TC-2) OR VARIANTS THEREOF

ABSTRACT

The present invention relates to isolated and recombinant antimicrobial peptides thrombocidin-1 (TC-1) and thrombocidin-2 (TC-2), or variants thereof, which comprise at least in part the sequence as shown in figure 1 indicated by the label TC-1 and TC-2, and have antimicrobial activity against gram-positive and gram-negative bacteria, for example *Escherichia coli*, *Bacillus subtilis*, *Streptococcus sanguis*, *Streptococcus pneumoniae*, *Staphylococcus epidermis*, and *Staphylococcus aureus*, and/or against fungi, for example *Candida albicans*, *C. glabrata*, *Cryptococcus neoformans*, *Aspergillus flavus*, *A. fumigatus*, and *Pseudoallescheria spec.* The invention further relates to the use of said peptides, or variants thereof, for the preparation of a medicament for the treatment of bacterial or fungal infections, such as endocarditis, in humans and animals and the use of said peptides, or variants thereof, in release systems for prevention of bacterial or fungal infections in humans and animals.